

ClaimsWhat is claimed is:

1 1. A computer controlled database system for providing a
2 user with database output through a user interface having
3 predefined dimensions limiting the capacity of each
4 iterative segment of output comprising:

5 database means for storing a plurality of different
6 types of output data;

7 means for providing data segments for each of the
8 different types of stored data, each segment having a
9 capacity limited by said predefined dimensions of said
10 user interface;

11 means for providing a plurality of strings of said
12 segments, each string including a sequence of segments of
13 one different type of stored data;

14 means enabling a user to select one of said strings
15 of segments to be output; and

16 means for outputting said selected string of
17 segments at said user interface.

1 2. The computer controlled database system of claim 1
2 wherein:

3 said user interface is a computer controlled display
4 interface; and

5 said database means for storing said output data is
6 connected to said user interface through a network.

1 3. The database system of claim 2 wherein said network
2 is the World Wide Web.

1 4. The database system of claim 3 wherein at least one
2 of said strings includes a sequence of segments of image
3 type of data.

1 5. The database system of claim 3 wherein at least one
2 of said strings includes a sequence of segments of text
3 type of data.

1 6. The database system of claim 3 wherein at least one
2 of said strings includes a sequence of segments of video
3 type of data.

1 7. The database system of claim 2 wherein at least one
2 of said strings includes a sequence of segments of audio
3 type of data.

1 8. The database system of claim 3 wherein said computer
2 controlled display interface is on a receiving display
3 station on said World Wide Web.

1 9. The database system of claim 8 wherein said means for
2 providing said strings of data segments are associated
3 with said database means connected by the World Wide Web
4 to said receiving display station.

1 10. The database system of claim 9 wherein:
2 said World Wide Web further includes a service
3 provider for organizing and providing data from database
4 sources on said World Wide Web to said receiving display
5 station; and
6 said service provider includes said means for
7 providing said plurality of strings of said segments to
8 said receiving display station.

1 11. The database system of claim 10 wherein said
2 receiving display station further includes means for
3 selecting and displaying one of said plurality of strings
4 of said segments provided to said receiving display
5 station.

1 12. The database system of claim 11 wherein said
2 receiving display station further includes means for
3 changing the order of segments to be displayed in a
4 selected one of said plurality of strings of segments.

1 13. In a computer controlled database system a method
2 for providing a user with database output through a user
3 interface having predefined dimensions limiting the
4 capacity of each iterative segment of output comprising:
5 storing, in databases, a plurality of different
6 types of output data;
7 providing data segments for each of the different
8 types of stored data, each segment having a capacity
9 limited by said predefined dimensions of said user
10 interface;
11 providing a plurality of strings of said segments,
12 each string including a sequence of segments of one
13 different type of stored data;
14 enabling a user to select one of said strings of
15 segments to be output; and
16 outputting said selected string of segments at said
17 user interface.

1 14. The method of claim 13 wherein:
2 said user interface is a computer controlled display
3 interface; and
4 said database means for storing said output data is
5 connected to said user interface through a network.

1 15. The method of claim 14 wherein said network is the
2 World Wide Web.

1 16. The method of claim 15 wherein at least one of said
2 strings includes a sequence of segments of image type of
3 data.

1 17. The method of claim 15 wherein at least one of said
2 strings includes a sequence of segments of text type of
3 data.

1 18. The method of claim 15 wherein at least one of said
2 strings includes a sequence of segments of video type of
3 data.

1 19. The method of claim 14 wherein at least one of said
2 strings includes a sequence of segments of audio type of
3 data.

1 20. The method of claim 15 wherein said computer
2 controlled display interface is on a receiving display
3 station on said World Wide Web.

1 21. The method of claim 20 wherein steps of providing
2 said strings of data segments is carried out at said
3 databases of stored data connected by the World Wide Web
4 to said receiving display station.

1 22. The method of claim 21 wherein:
2 said World Wide Web further includes a service
3 provider for carrying out steps of organizing and
4 providing data from database sources on said World Wide
5 Web to said receiving display station; and
6 said service provider further provides said
7 plurality of strings of said segments to said receiving
8 display station.

1 23. The method of claim 14 further including steps of
2 selecting and displaying one of said plurality of strings
3 of said segments provided to said receiving display
4 station.

1 24. The method of claim 23 further including the step of
2 changing the order of segments to be displayed in a
3 selected one of said plurality of strings of segments at
4 a receiving display station.

1 25. A computer program having program code included on a
2 computer readable medium for providing a user with a
3 database system output through a user interface having
4 predefined dimensions limiting the capacity of each
5 iterative segment of output comprising:

6 database means for storing a plurality of different
7 types of output data;

8 means for providing data segments for each of the
9 different types of stored data, each segment having a
10 capacity limited by said predefined dimensions of said
11 user interface;

12 means for providing a plurality of strings of said
13 segments, each string including a sequence of segments of
14 one different type of stored data;

15 means enabling a user to select one of said strings
16 of segments to be output; and

17 means for outputting said selected string of
18 segments at said user interface.

1 26. The computer program of claim 25 wherein:

2 said user interface is a computer controlled display
3 interface; and

4 said database means for storing said output data is
5 connected to said user interface through a network.

1 27. The computer program of claim 26 wherein said
2 network is the World Wide Web.

1 28. The computer program of claim 27 wherein at least
2 one of said strings includes a sequence of segments of
3 image type of data.

1 29. The computer program of claim 27 wherein at least
2 one of said strings includes a sequence of segments of
3 text type of data.

1 30. The computer program of claim 27 wherein at least
2 one of said strings includes a sequence of segments of
3 video type of data.

1 31. The computer program of claim 26 wherein at least
2 one of said strings includes a sequence of segments of
3 audio type of data.

1 32. The computer program of claim 27 wherein said
2 computer controlled display interface is on a receiving
3 display station on said World Wide Web.

1 33. The computer program of claim 32 wherein said means
2 for providing said strings of data segments are
3 associated with said database means connected by the
4 World Wide Web to said receiving display station.

1 34. The computer program of claim 33 wherein:
2 said World Wide Web further includes a service
3 provider for organizing and providing data from database
4 sources on said World Wide Web to said receiving display
5 station; and
6 said service provider includes said means for
7 providing said plurality of strings of said segments to
8 said receiving display station.

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1 35. The computer program of claim 34 wherein said
2 receiving display station further includes means for
3 selecting and displaying one of said plurality of strings
4 of said segments provided to said receiving display
5 station.

1 36. The computer program of claim 35 wherein said
2 receiving display station further includes means for
3 changing the order of segments to be displayed in a
4 selected one of said plurality of strings of segments.